

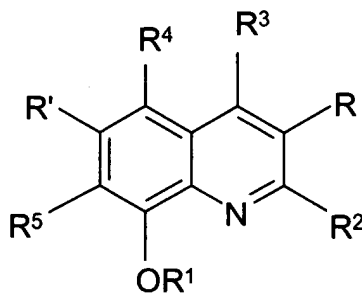
## IN THE CLAIMS

The following is a listing of the claims currently pending in the above-identified application. This listing of the claims replaces all prior versions thereof. Cancellation of claims and/or subject matter in claims is without prejudice.

### LISTING OF CLAIMS

1-29. (Cancelled)

30. (Currently Amended) A compound of the formula



or pharmaceutically acceptable salts, ~~hydrates or solvates~~ thereof in which

$R^1$  is H;

$R^2$  is ~~optionally substituted  $C_{2-6}$  alkenyl~~; optionally substituted aryl phenyl;

optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted

biphenyl; optionally substituted heterocyclyl;  $COR^6$ ;  $CSR^6$ ; CN;  $(CH_2)NR^9R^{10}$ ;  $HCNOR^9$ ;

$HCNNR^9R^{10}$ ;  $OR^{11}$ ;  $SR^{11}$ ;  $NR^{11}R^{12}$  or  $SO_2NR^{13}R^{14}$ ;

$R^6$  is H,  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, hydroxy, optionally

substituted aryl, optionally substituted heterocyclyl,  $SR^7$  or  $NR^7R^8$ ;

$R^7$  and  $R^8$  are either the same or different and selected from H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl and optionally substituted heterocyclyl;

$R^9$  is H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

$R^{10}$  is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, ~~tert-butyl~~, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

$R^{11}$  is H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with  $R^{12}$  form optionally substituted heterocyclyl;

$R^{12}$  is optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with  $R^{11}$  form optionally substituted heterocyclyl;

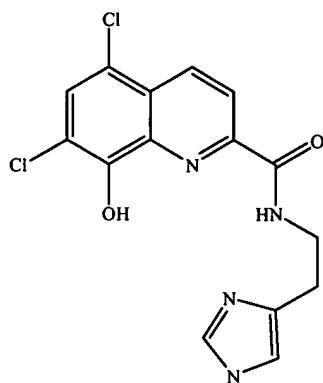
$R^3$ , R and  $R'$  are either the same or different and selected from H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted  $C_{1-6}$  alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo,  $SO_3H$ , amine, CN,  $CF_3$ , optionally substituted aryl and optionally substituted heterocyclyl; and

$R^4$  and  $R^5$  are chloro,

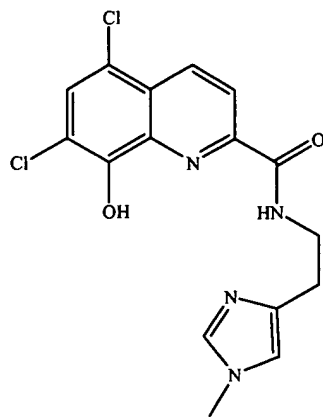
wherein the optional substituent is  $C_{1-6}$  alkyl,  $CF_3$ , fluorine, chlorine, iodine, cyano,  $C_{1-6}$  alkoxy, 5 or 6-membered aryl, heteroaryl, amino or  $C_{1-6}$  alkylamino.

31. (Currently Amended) The compound according to Claim 30 in which either  $R^2$  is optionally substituted ~~aryl~~ phenyl, optionally substituted naphthyl, optionally substituted tetrahydronaphthyl, optionally substituted biphenyl, optionally substituted heterocyclyl,  $CH_2NR^9R^{10}$  or  $COR^6$  or at least one of  $R$ ,  $R^3$  and  $R'$  is optionally substituted  $C_{1-6}$  alkyl, optionally substituted aryl, optionally substituted heterocyclyl,  $CH_2NR^9R^{10}$  or  $COR^6$  in which  $R^6$  is  $NR^7R^8$  or  $NR^{11}R^{12}$ .

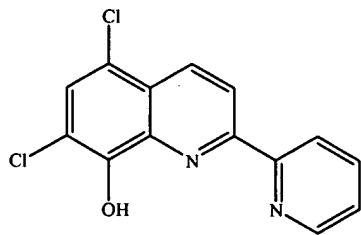
32. (Currently Amended) A compound of the formula



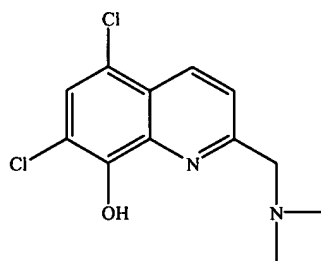
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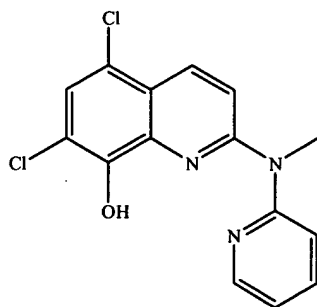
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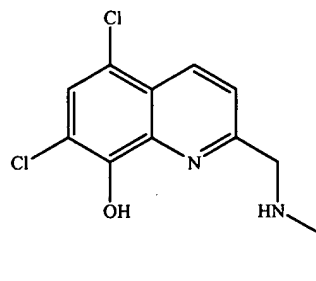
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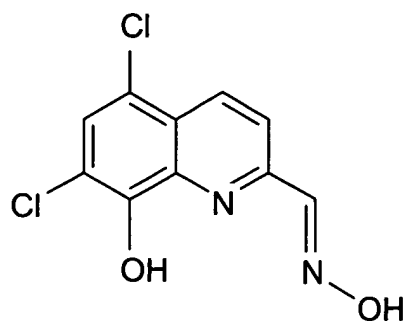
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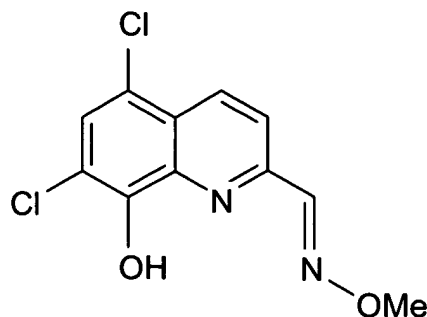
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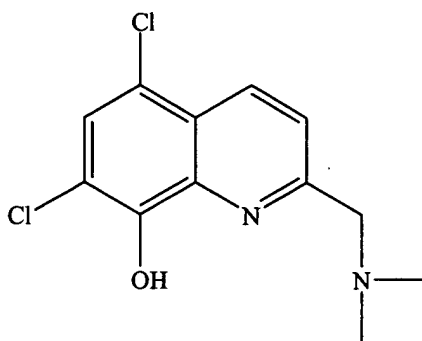
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PBT 1032

or pharmaceutically acceptable salts, ~~hydrates or solvates~~ thereof.

33. (Currently Amended) The compound according to Claim 32 having the formula



PBT 1033

or pharmaceutically acceptable salts, ~~hydrates or solvates~~ thereof.

34. (Previously Submitted) A pharmaceutical composition comprising a therapeutically effective amount of a compound according any one of Claims 30, 32 or 33 in association with a pharmaceutically acceptable carrier.

35. (Previously Submitted) The pharmaceutical composition according to Claim 34 which additionally comprises a medicament, said medicament being an inhibitor of the acetyl cholinesterase active site, an antioxidant, an anti-inflammatory agent or an estrogenic agent.

- 36. (New) A hydrate of the compound of Claim 30.
- 37. (New) A solvate of the compound of Claim 30.
- 38. (New) A hydrate of the compound of Claim 32.
- 39. (New) A solvate of the compound of Claim 32.
- 40. (New) A hydrate of the compound of Claim 33.
- 41. (New) A solvate of the compound of Claim 33.